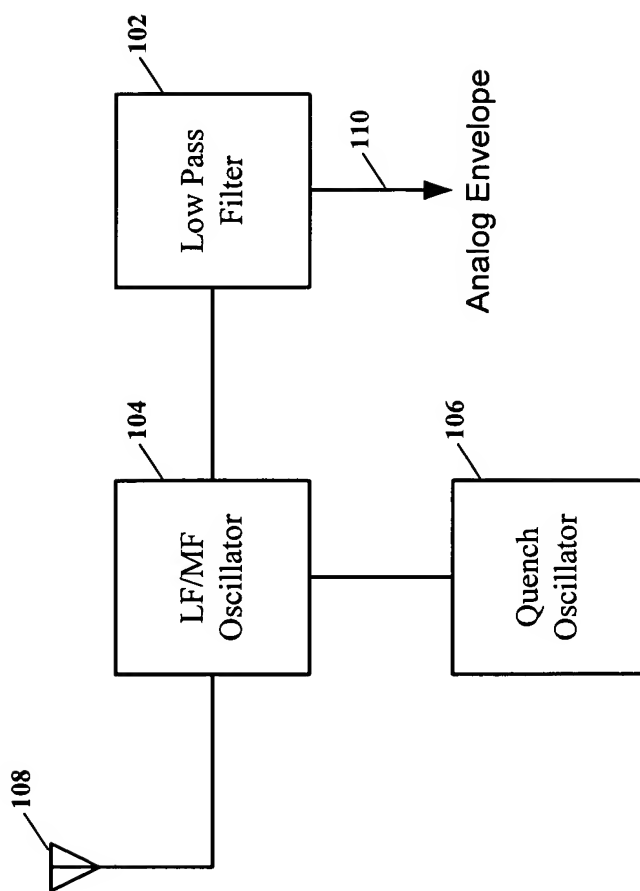
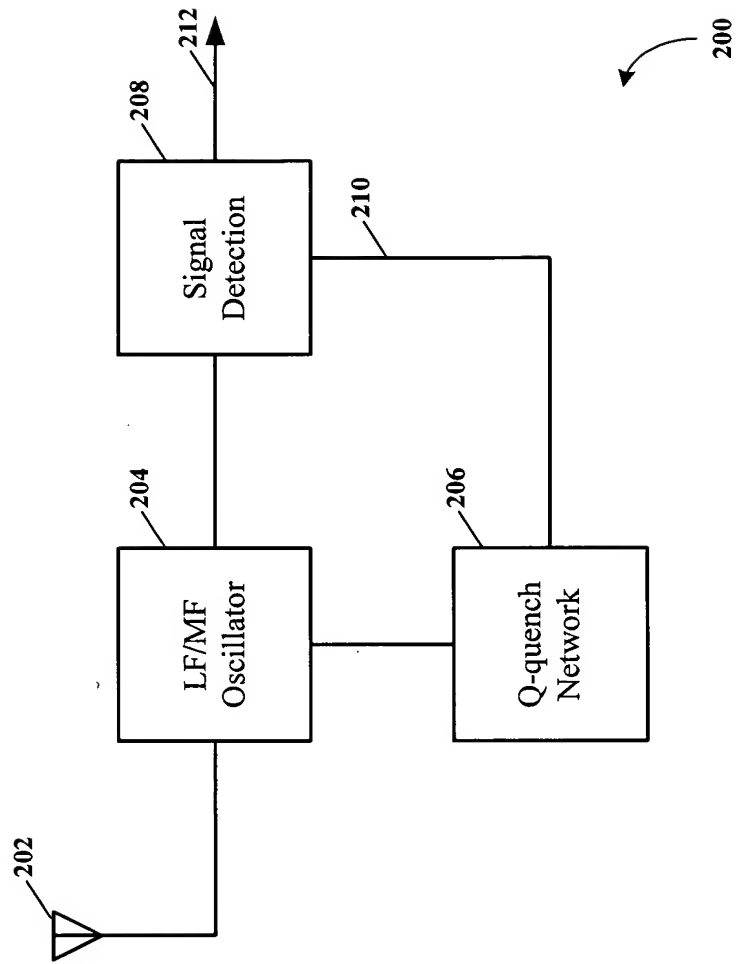


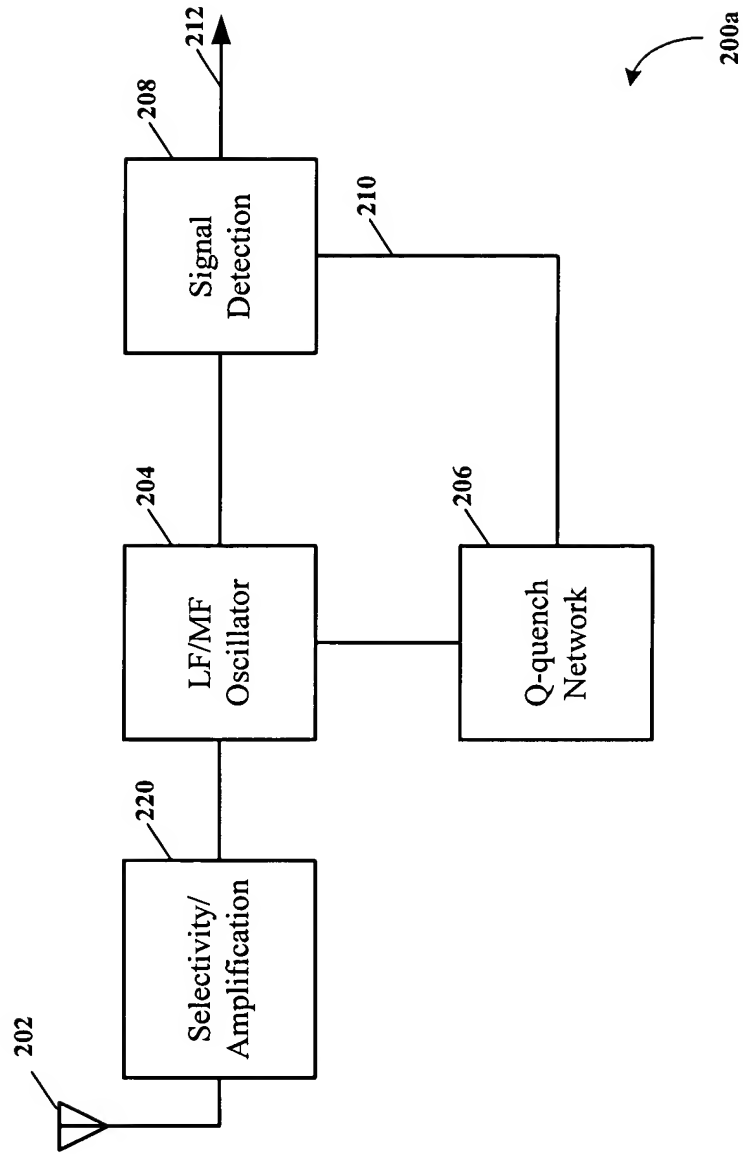


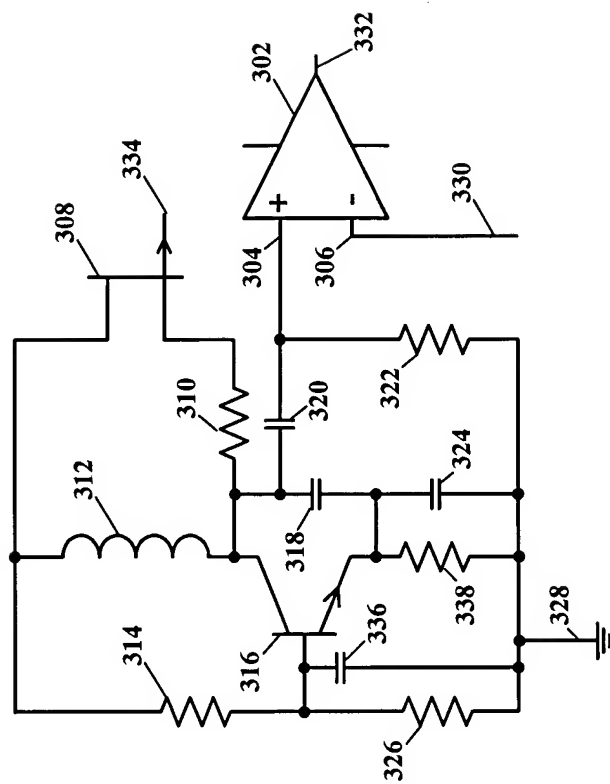
1/7

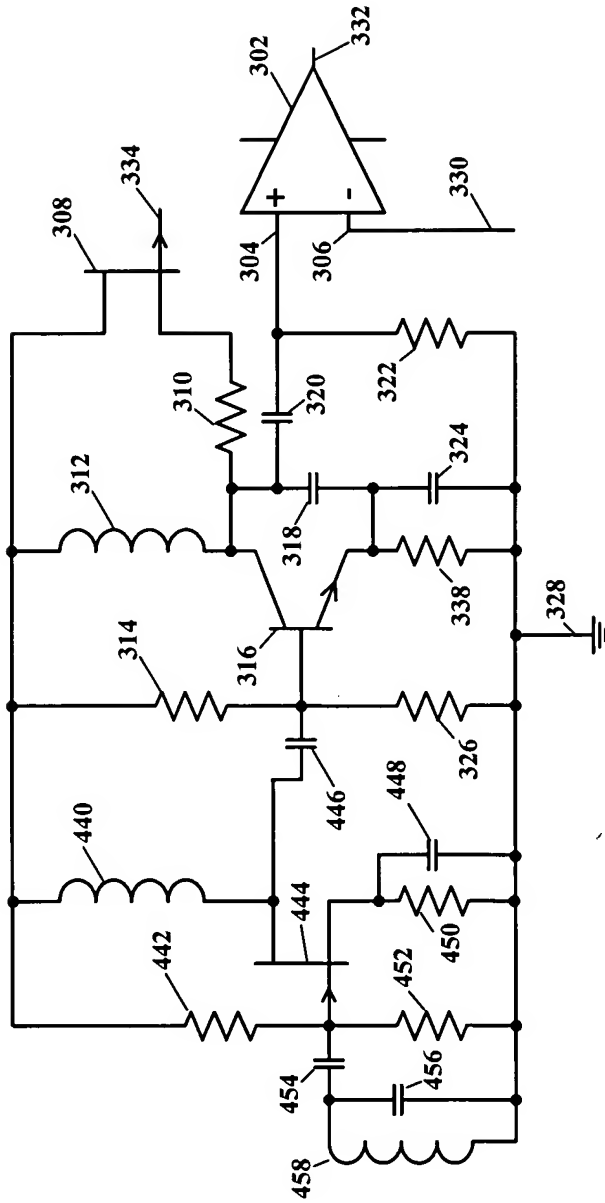


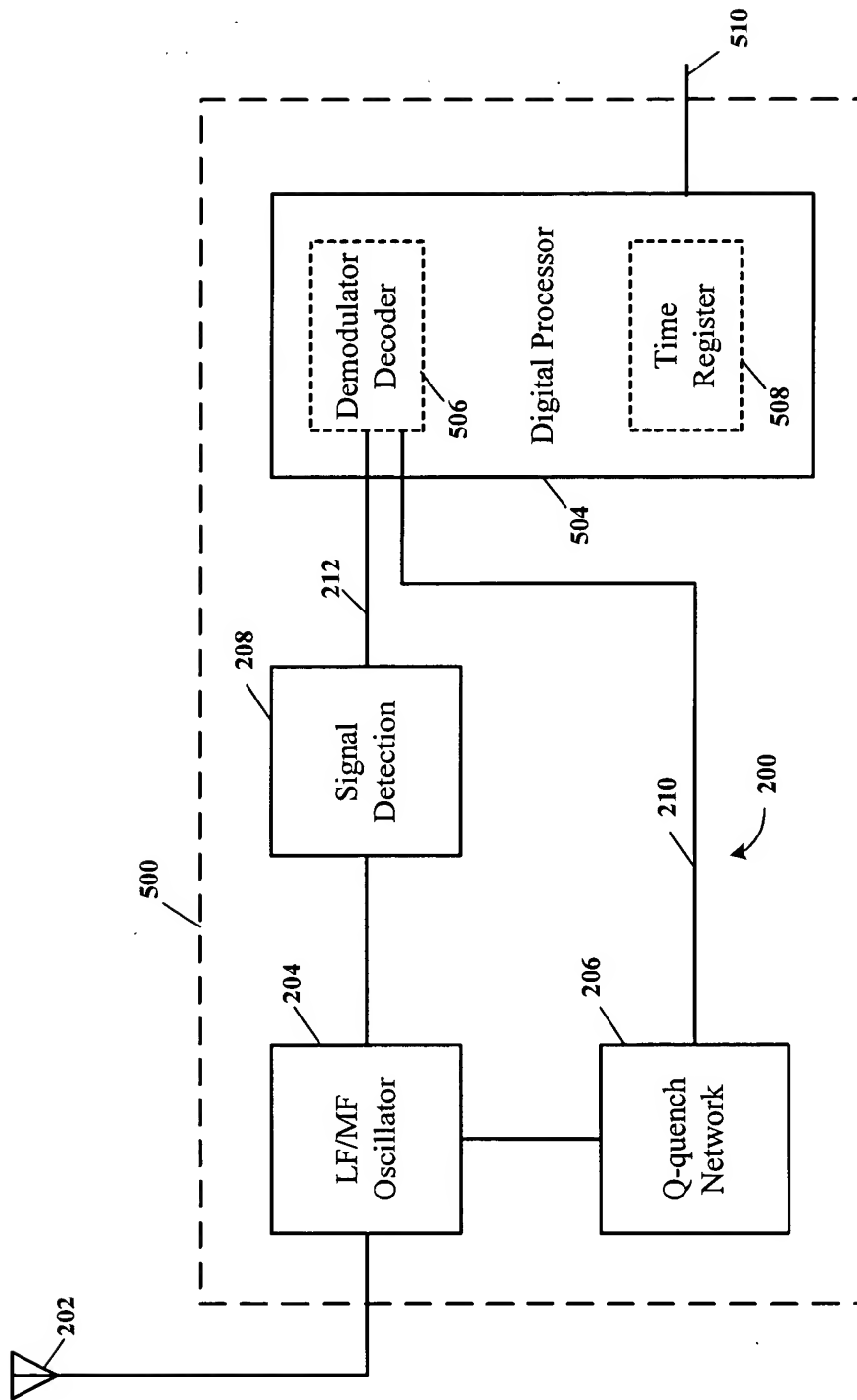
**FIGURE 1** (Prior Art)

**FIGURE 2**

**FIGURE 3**

**FIGURE 4**

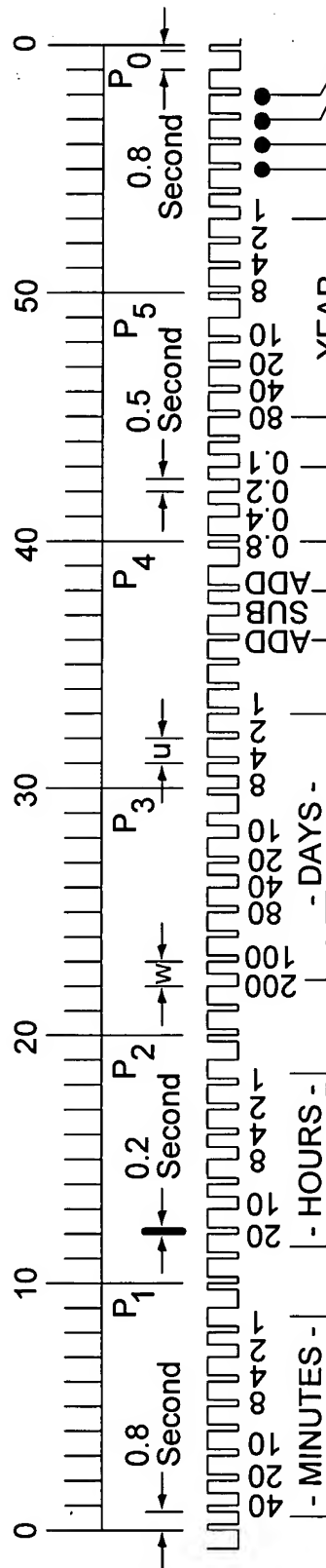
**FIGURE 5**

**FIGURE 6**

# WWVB TIME CODE FORMAT

ON TIME POINT A

TIME FRAME 1 MINUTE  
(Index count 1 second)



7/7

1 PPM FRAME REFERENCE MARKERS  
BINARY CODED DECIMAL YEAR AND TIME-OF-YEAR  
CODE WORD (31 bits)  
6 PPM POSITION (IDENTIFIER MARKERS (P<sub>0</sub> thru P<sub>5</sub>))

(reduced carrier 0.8 second duration plus 0.2 second duration pulse)  
W – WEIGHTED CODE DIGIT (carrier restored in 0.5 second – binary one)  
U – UNWEIGHTED CODE DIGIT (carrier restored in 0.2 second – binary zero)

UTC AT POINT A  
2001

258 DAYS

18 HOURS

41 MINUTES

59.3 SECONDS

DAYLIGHT  
SAVING TIME BITS  
(see text for  
interpretation of Bits)  
LEAP SECOND  
WARNING BIT  
LEAP YEAR INDICATOR BIT  
"0" = NON LEAP YEAR  
"1" = LEAP YEAR

Figure 7